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#21

## RAW SEQUENCE LISTING

DATE: 01/14/2003

PATENT APPLICATION: US/09/723,326B

TIME: 09:46:01

Input Set : A:\10989004999.txt

Output Set: N:\CRF4\01142003\I723326B.raw

3 <110> APPLICANT: WEBSTER, Keith A.  
 5 <120> TITLE OF INVENTION: A Molecular Switch for Regulating Mammalian Gene Expression  
 7 <130> FILE REFERENCE: 10989-004-999  
 9 <140> CURRENT APPLICATION NUMBER: US 09/723,326B  
 10 <141> CURRENT FILING DATE: 2000-11-28  
 12 <150> PRIOR APPLICATION NUMBER: US 60/171,597  
 13 <151> PRIOR FILING DATE: 1999-12-23  
 15 <160> NUMBER OF SEQ ID NOS: 17  
 17 <170> SOFTWARE: PatentIn version 3.0  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 21  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Artificial  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian  
 26 gene regulatory sequence  
 28 <400> SEQUENCE: 1  
 29 tgtcacgtcc tgcacgacgt a 21  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 22  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial  
 36 <220> FEATURE:  
 37 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian  
 38 gene regulatory sequence  
 40 <400> SEQUENCE: 2  
 41 cttcagcacc gcggacagtg cc 22  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 22  
 45 <212> TYPE: DNA  
 46 <213> ORGANISM: Artificial  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian  
 50 gene regulatory sequence  
 52 <400> SEQUENCE: 3  
 53 tgtccattcc tgcacgacgt ac 22  
 55 <210> SEQ ID NO: 4  
 56 <211> LENGTH: 22  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Artificial  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian  
 62 gene regulatory sequence

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65 cttcagcacc gcttacagtg cc 22
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 43
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
74     gene regulatory sequence
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79 <210> SEQ ID NO: 6
80 <211> LENGTH: 86
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
86     gene regulatory sequence
88 <400> SEQUENCE: 6
89 cttcagcacc gcggacagtg cctgtcacgt cctgcacgac gtacttcagc accgcggaca 60
90 gtgcctgtca cgtcctgcac gacgta 86
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 123
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
99     gene regulatory sequence
101 <400> SEQUENCE: 7
102 cttcagcacc gcggacagtg cctgtcacgt cctgcacgac ttcagcaccg cggacagtgc 60
103 ctgtcacgtc ctgcacgact tcagcaccgc ggacagtgcc tgtcacgtcc tgcacgacgg 120
104 tac 123
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107 <211> LENGTH: 33
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
113     gene regulatory sequence
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116 cttcagcacc gcggacagtc acgtcctgca cga 33
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120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
125     gene regulatory sequence
127 <400> SEQUENCE: 9

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128 cttcagcacc gcttacagtg cctgtcacgt cctgcacgac gtacttcagc accgcttaca      60
129 gtgcctgtca cgctctgcac gacgtacttc agcaccgctt acagtgcctg tcacgtcctg      120
130 cacgacgta                                                                    129
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 132
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
139     gene regulatory sequence
141 <400> SEQUENCE: 10
142 cttcagcacc gcggacagtg cctgtccatt cctgcacgac gtaccttcag caccgcggac      60
143 agtgctgtc cattcctgca cgacgtacct tcagcaccgc ggacagtgcc tgtccattcc      120
144 tgcacgacgt ac                                                                    132
146 <210> SEQ ID NO: 11
147 <211> LENGTH: 116
148 <212> TYPE: DNA
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151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
153     gene regulatory sequence
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157 gggactttcc caggcttcag caccgcggac agttgagggg actttcccag gcgtac      116
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 116
161 <212> TYPE: DNA
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164 <220> FEATURE:
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170 gggactttcc caggcttcag caccgcttac agttgagggg actttcccag gcgtac      116
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173 <211> LENGTH: 199
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
179     gene regulatory sequence
181 <400> SEQUENCE: 13
182 cttcagcacc gcggacagtt gacacgatca cctcccatta aggagagaga tctccttcag      60
183 caccgcggac agttgacacg atcacctccc attaaggaga gagatctcct tcagcaccgc      120
184 ggacagttga cacgatcacc tcccattaag gagagagatc tccttcagca ccgcggacag      180
185 ttgaggggac tttcccagg                                                                    199
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 162
189 <212> TYPE: DNA

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190 <213> ORGANISM: Artificial
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
194     gene regulatory sequence
196 <400> SEQUENCE: 14
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198 caccgcggac agttgagctt cggggctttt gcactcgtcc cggctctact tcagcaccgc      120
199 ggacagttga gcttcggggc ttttgactc gtcccggctc ta                          162
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202 <211> LENGTH: 52
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
208     gene regulatory sequence
210 <400> SEQUENCE: 15
211 ctggccttat ctccggctgc acgttgctg ttggtgacta ataacacaat aa                52
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214 <211> LENGTH: 162
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216 <213> ORGANISM: Artificial
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
220     gene regulatory sequence
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224 caccgcggac agttgacacg atcacctccc attaaggaga gagatctcct tcagcaccgc      120
225 ggacagttga cacgatcacc tcccattaag gagagagatc tc                          162
227 <210> SEQ ID NO: 17
228 <211> LENGTH: 38
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
234     gene regulatory sequence
236 <400> SEQUENCE: 17
237 cttcagcacc gcggacagtg cctgtcacgt cctgcacg                               38

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

**VERIFICATION SUMMARY**

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